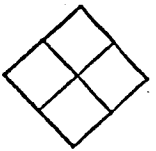


# Witco MATERIAL SAFETY DATA SHEET



## SECTION I

PRODUCT Iridite 1-B (Olive Drab)

WITCO MANUFACTURING DIVISION OR SUBSIDIARY <u>Allied-Kelite Division</u>		EMERGENCY TELEPHONE MANUFACTURER <u>(313) 437-8161</u>
ADDRESS (NUMBER, STREET, CITY, STATE, ZIP CODE) <u>29111 Milford Rd., New Hudson, MI 48165</u>		CHEM TREC <u>1-(800) 424-9300</u>
CHEMICAL NAME OR FAMILY <u>Chromate Solution</u>	FORMULA <u>Proprietary</u>	M.F.S.A.: <u>313-644-5626</u>

## SECTION II - CHEMICAL AND PHYSICAL PROPERTIES

BOILING PT. <u>100 °C (212 °F)</u>	VAPOR PRESSURE (mmHg at 20°C) <u>Water Solution</u>	VAPOR DENSITY (AIR = 1)	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) <u>1.3</u>
MELTING PT. ____ °C (____ °F)	SOLUBILITY IN H <sub>2</sub> O AT <u>20 °C</u> <u>Complete</u>	PERCENT VOLATILE (BY WT. %)	STRONG ACID <input checked="" type="checkbox"/> STABLE <input checked="" type="checkbox"/> STRONG BASE <input type="checkbox"/> UNSTABLE <input type="checkbox"/>
EVAPORATION RATE (____ = 1)	PHYSICAL FORM AND ODOR <u>Orange liquid - Pungent odor</u>	pH <u>&lt; 1</u>	
HAZARDOUS DECOMPOSITION PRODUCTS <u>May release NO<sub>2</sub></u>			
INCOMPATIBILITY (KEEP AWAY FROM) <u>Combustible, organic or other readily oxidizable materials. Reducing agents</u>			

## LIST ALL TOXIC AND HAZARDOUS INGREDIENTS

Hexavalent Chrome  
Nitric Acid  
Zinc Chloride Solution

IDLH 250 mg/m<sup>3</sup> (NIOSH)  
IDLH 500 mg/m<sup>3</sup> (NIOSH)  
Not Available

## SECTION III - FIRE AND EXPLOSION DATA

Water Solution FLASH POINT (METHOD USED) ____ °C ____ °F	None FLAMMABLE LIMITS % LOWER ____ UPPER ____
EXTINGUISHING AGENTS <input type="checkbox"/> DRYCHEMICAL <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> WATERSPRAY <input checked="" type="checkbox"/> FOAM	
SPECIAL FIRE FIGHTING PROCEDURES <u>None</u>	
UNUSUAL FIRE AND EXPLOSION HAZARDS <u>Spontaneous combustion may occur on contact with alcohols, ketones and other organic compounds</u>	

## SECTION IV - HEALTH HAZARD DATA

PERMISSIBLE CONCENTRATIONS (AIR) <u>See toxic and hazardous ingredients above</u>	EFFECTS OF OVEREXPOSURE <u>Acidity may cause burns and irritation of skin and eyes. Oxidizing action may cause same plus ulceration.</u>
TOXICOLOGICAL PROPERTIES	
EMERGENCY FIRST AID PROCEDURES	
EYES <u>Immediately flush with large quantities of water for 15 minutes. Call a physician.</u>	
SKIN CONTACT <u>Wash with plenty of soap and water.</u>	
INHALATION <u>Remove to fresh air</u>	
IF SWALLOWED <u>Call a physician</u>	



# MATERIAL SAFETY DATA SHEET

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PRODUCT Iridite 1-B (Olive Green)

## SECTION V - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE REQUIRED (LOCAL, MECHANICAL, SPECIAL) <u>Local</u>	
RESPIRATORY PROTECTION (SPECIFY TYPE)  <u>None needed with adequate ventilation</u>	
PROTECTIVE GLOVES  <u>Rubber</u>	EYE PROTECTION  <u>Goggles</u>
OTHER PROTECTIVE EQUIPMENT <u>Rubber apron, rubber boots</u>	

## SECTION VI - HANDLING OF SPILLS OR LEAKS

PROCEDURES FOR CLEAN-UP <u>Wear protective clothing and equipment during clean up. Absorb with an inert ingredient such as sand, earth or vermiculite; sweep up and dispose of in accordance with federal, state and local regulations.</u>
WASTE DISPOSAL  <u>By methods consistent with federal, state and local regulations.</u>

## SECTION VII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE <u>Wear protective equipment and clothing. Wash thoroughly after handling. Do not store near combustible, organic or other readily oxidizable materials; store away from reducing agents.</u>
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## SECTION VIII - TRANSPORTATION DATA

<input type="checkbox"/> UNREGULATED BY D.O.T.	U.S. DEPARTMENT OF TRANSPORTATION HAZARD CLASS <u>Corrosive Material</u>	<u>UN 1755</u>
U.S. D.O.T. PROPER SHIPPING NAME <u>Chromic Acid Solution</u>		
LABEL REQUIRED <u>Corrosive</u>		
TRANSPORTATION EMERGENCY INFORMATION <u>CHEM TREC 1-(800) 424-9300</u> <u>MFSA: 313-644-5626</u>		

## SECTION IX - COMMENTS

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SIGNATURE _____	TITLE _____
REVISION DATE _____	DATE SENT _____

The information contained herein is based on data considered accurate. However, no warranty, expressed or implied, is given regarding the accuracy of these data or the results to be obtained from the use thereof.